
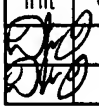

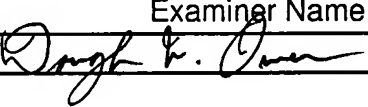


## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	MULTI-LAYER INTEGRATED SEMICONDUCTOR STRUCTURE HAVING AN ELECTRICAL SHIELDING PORTION						
Application Number :		10/749096					
Confirmation Number:		3177					
First Named Applicant:		Rafael Reif					
Attorney Docket Number:		MIT-136DUS					
Art Unit:		3745					
Examiner:							
Search string:		( 5523628 or 6717244 ).pn					
 <b>US Patent Documents</b>							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5523628	1996-06-04	Williams et al.			
	2	6717244	2004-04-06	Hikita et al.			
 <b>Signature</b>							
Examiner Name				Date			
				1/20/05			

PTO/SB/08A (02-03)

Approved for use through 04/30/2003. OMB 0531-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/749,096
Filing Date	December 30, 2003
First Named Inventor	Rafael Reif
Art Unit	2811
Examiner Name	Douglas W. Owens
Attorney Docket Number	MIT-136DUS

Sheet 1 of 3

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> if known	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DLG		US- 5,236,118	08/17/1993	Bower et al.	
		US- 5,270,281	12/14/1993	Bertin et al.	
		US- 5,370,301	12/08/1994	Belcher et al.	
		US- 5,391,267	02/21/1995	Sullivan et al.	
		US- 5,563,084	10/08/1996	Ramm et al.	
		US- 5,669,545	09/23/1997	Pham et al.	
		US- 5,985,693	11/16/1999	Leedy	
		US- 6,027,958	02/22/2000	Vu et al.	
		US- 2002/0135075	09/26/2002	Leedy	
		US- 6,465,892	10/15/2002	Suga	
		US- 2004/0124538	07/01/2004	Reif et al.	
		US- 2004/0219765	11/04/2004	Reif et al.	
		US- 2004/0126994	07/01/2004	Reif et al.	
		US- 2002/0074670	08/20/2002	Suga	
		US- 2002/0109238	08/15/2002	Kim et al.	
		US- 2002/0135062	09/26/2002	Mastromatteo et al.	
		US- 5,706,578	01/13/1998	Hubner	
DLG		US- 5,767,009	01/16/1998	Yoshida et al.	
		US- 5,825,080	10/20/1998	Imacka et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
DLG		EP 1 041 624 A1	10/04/2000	Interuniversitair Microelektronica Centrum VZW		
DLG		DE 100 47 963 A 1	03/29/2001	Sony Corp.		
DLG		EP 1 432 032 A2	06/23/2004	St. Nikolaus-Ebene Energy Laboratory Co., Ltd.		
DLG		EP 1 151 982 A1	11/07/2001	STMicroelectronics S.r.l.		
DLG		2 645 681 (France)	04/07/1989	Thomson-CSF	Front page only	
DLG		WO 02/09182 A1	01/31/2002	Christian Val		

Examiner Signature	<i>Douglas W. Owens</i>	Date Considered	3/23/06
--------------------	-------------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 808. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (02-03)

Approved for use through 04/30/2003. OMB 0631-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

Substitute for form 1448/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	2
-------	---

**Complete if Known**

Application Number	10/749,096
Filing Date	December 30, 2003
First Named Inventor	Rafael Relf
Art Unit	2811
Examiner Name	Douglas W. Owens
Attorney Docket Number	MIT-136DUS

**U. S. PATENT DOCUMENTS**

[illegible]

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner  
Signature

Paul H. Owen

Date	
Considered	

3/28/06

Signature Wang H. Chen

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). \* See Kinds Codes (USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP §01.04). \* Enter Office that issued the document, by the two-letter code (WIPO Standard 3.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. \* Applicant is to place a check mark here if English language translation is attached.

The appropriate symbols are indicated on the enclosed forms. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450. 1-800-PTO-6460 (1-800-786-9199) and select option 2.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/088 (02-03)

Approved for use through 04/30/2003. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/749,096
		Filing Date	December 30, 2003
		First Named Inventor	Rafael Reif
		Art Unit	2811
		Examiner Name	Douglas W. Owens
Sheet	3 of 3	Attorney Docket Number	MIT-136DUS

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		PCT/US 03/41558 International Search Report dated March 11, 2005	
		PCT/US 03/41557 International Search Report dated March 18, 2005	
		PCT/US 03/41407 International Search Report dated September 16, 2004	
		PCT/US 03/41544 International Search Report dated June 17, 2004	
DR		Y. HAYASHI, S WADA, K. KAJIYANA, K. OYAMA, R. KOH, S. TAKAHASHI, T. KUNIO, Fabrication of Three-Dimensional IC Using "Cumlatively Bonded IC" (CUBIC) Technology, 1990, pp. 85-98, NEC Corporation, Shimokuzawa, Sagamihara, Kanagawa 22, Japan.	

Examiner Signature	<i>Douglas W. Owens</i>	Date Considered	3/23/06
-----------------------	-------------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.